**Index of Claims** 

| Ap |  |  |
|----|--|--|
|    |  |  |
|    |  |  |
|    |  |  |

Kathleen M Kerr

09/478,598

Date

Examiner

Applicant(s)

RAO ET AL.

**Art Unit** 

1652

Rejected Allowed ÷

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

|          |          |  |  | _              |  |              | I  | 1        | L  |                |   |          |          |              |              |              | _ |
|----------|----------|--|--|----------------|--|--------------|--|----------|--|----------------|---|----------|----------|--------------|--------------|--------------|---|
| Cla      | aim      | Γ  |  |                |  | Date         | 9  |          |  |                |   | Cla      | aim      |              |              |              |   |
| Final    | Original |  |  |                |  |              |  |          |  |                |   | Final    | Original | 9/23/04      |              |              |   |
|          | 1        |  |  |                |  |              |  |          |  |                |   |          | 51       |              |              |              | t |
|          | 2        | <b></b> -  | $\vdash$   |                |  |              |  |          |  |                |   |          | 52       |              |              | Т            | T |
|          | 3        |  |  |                |  |              |  |          |  |                |   |          | 52<br>53 |              |              |              | Ī |
|          | 4        |  |  |                |  |              |  |          |  |                |   |          | 54       |              |              |              | Ι |
|          | 5        |  |  |                |  |              |  |          |  |                |   |          | 55       |              |              |              | L |
|          | 6        | <u> </u>   |  | _              |  |              | _  |          |  |                |   |          | 56       | L            |              |              | Ļ |
|          | 7        | ļ.,  | <u> </u>   | _              |  |              |  | ļ        | <u> </u>   |                |   |          | 57       |              |              | _            | Ļ |
|          | 8        |  | _  | <u> </u>       |  |              | ļ  | <u> </u> | _  | <u> </u>       |   |          | 58       |              |              | _            | Ļ |
|          | 9        | ļ  | -  |                |  |              |  | _        | <u> </u>   | <del> </del> — |   |          | 59       |              |              | 1            | ł |
| <u> </u> | 10<br>11 |  |  | <u> </u>       |  |              |  |          |  | _              |   |          | 60<br>61 |              |              |              | ╀ |
| <u> </u> | 12       | <del> </del>                                     | -  |                |  | -            | -  | ⊢        | ├  |                |   |          | 62       | $\vdash$     |              | $\vdash$     | ╁ |
|          | 13       | ⊢  | -  |                |  |              | ┢  | _        | _  | $\vdash$       |   |          | 63       |              |              | ┢            | t |
|          | 14       |  |  | $\vdash$       |  |              |  |          | $\vdash$   |                |   |          | 64       |              |              | ┢            | t |
|          | 15       |  |  |                |  | $\vdash$     | $\vdash$   | -        | -  |                |   |          | 64<br>65 | _            |              | <del> </del> | t |
|          | 16       | ┢  |  |                | $\vdash$   | <del> </del> | <del>                                     </del> | _        |  |                |   |          | 66       |              |              | ┢            | t |
|          | 17       |  |  | $\vdash$       | ╁  |              | <b></b>  |          |  |                |   |          | 66<br>67 |              |              | $\vdash$     | t |
|          | 18       |  |  | Г              | <del>                                     </del> |              | 1  | <b></b>  |  |                |   |          | 68       | √            |              |              | t |
|          | 19       | <u> </u>   |  |                |  |              |  |          |  | Г              |   |          | 69<br>70 | V            |              |              | T |
|          | 20       |  |  |                |  |              |  |          |  |                |   |          | 70       |              |              |              | Ι |
|          | 21       |  |  |                |  |              |  |          |  |                | ] |          | 71       | √            |              |              | Ι |
|          | 22       |  |  |                | L  | L            | _  |          |  |                |   |          | 72       |              |              |              | L |
|          | 23       |  | <u> </u>   |                |  |              | _  | _        | <u> </u>   |                |   |          | 73       |              |              |              | ļ |
|          | 24       | <u> </u>   |  | <u> </u>       |  | _            |  |          |  |                |   |          | 74       | L            |              |              | ļ |
|          | 25       |  |  |                |  | _            |  | _        |  |                |   |          | 75       | \\\          | _            | <u> </u>     | Ļ |
|          | 26       | -  | <b> </b>   | ├              |  | <u> </u>     |  | <u> </u> | <u> </u>   | <u> </u>       | ł |          | 76       | √            |              | <u> </u>     | ╀ |
|          | 27       | <del> </del>                                     | <u> </u>   |                | _  |              |  | $\vdash$ | <u> </u>   | ┢              | ł |          | 77       | 1            | -            |              | ╀ |
|          | 28<br>29 | $\vdash$   |  |                |  |              |  |          | ⊢  |                | 1 |          | 78<br>79 | √            | ļ            |              | ╁ |
|          | 30       | ├  |  |                |  |              | _  | $\vdash$ | $\vdash$   | ┢              |   |          | 80       | <u> </u>     |              | ├—           | ╁ |
|          | 31       | ├  | ├  | ╁─             | <del>                                     </del> | -            | _  | ⊢        | -  | ├              | ł |          | 81       | ┢            |              | ┢            | t |
|          | 32       | $\vdash$   |  |                |  |              |  |          |  | ├              |   |          | 82       | -            | ļ            | <del> </del> | t |
|          | 33       | ╁  |  |                |  | -            | -  | -        | <del>                                     </del> | ╫┈             |   |          | 83       | $\vdash$     |              |              | t |
|          | 34       | <del>                                     </del> | ╁  | ┢              | -  |              | -  |          |  |                |   |          | 84       | $\vdash$     |              | T            | t |
|          | 35       | _  | <del>                                     </del> | <b> </b>       |  |              | <b></b>  |          |  |                |   |          | 85       |              |              | T            | t |
|          | 36       |  |  |                |  |              | Г  |          |  |                | 1 |          | 86       |              |              |              | Ť |
|          | 37       |  |  | L              |  |              |  |          |  |                | ] |          | 87       |              |              | L            | Ī |
|          | 38       |  |  |                |  |              |  |          |  |                |   |          | 88       |              |              |              | I |
|          | 39       | _  |  |                |  |              |  |          |  |                |   |          | 89       |              |              |              | L |
| <u> </u> | 40       |  | $\perp$  |                | _  | L            | <u> </u>   |          |  | _              |   |          | 90       | L_           |              | <u> </u>     | ļ |
|          | 41       | <u> </u>   | <u> </u>   | ļ              |  | <u> </u>     | ļ  | ļ        |  | <u> </u>       |   |          | 91       | <u> </u>     |              | <u> </u>     | ļ |
|          | 42       | _  | ļ  | <u> </u>       |  | _            |  |          |  |                |   |          | 92       |              | <u> </u>     | <u> </u>     | ļ |
| <u> </u> | 43       |  | ├-   | -              | <u> </u>   |              | <u> </u>   |          | <u> </u>   |                |   |          | 93       |              |              | <u> </u>     | ╀ |
| $\vdash$ | 44<br>45 | ├  |  | <del> </del>   |  | _            |  | H        | -  | _              |   |          | 94<br>95 | _            | <u> </u>     |              | ł |
|          | 46       | $\vdash$   | $\vdash$   | ├              | ├  | -            | ├  | -        | $\vdash$   | <del> </del>   |   |          | 96       | <del> </del> |              | <del> </del> | + |
| <u> </u> | 47       | -  | -  | <del> </del> — |  | H            |  | ├-       | $\vdash$   | -              |   |          | 97       | $\vdash$     | _            | -            | + |
|          | 48       |  | $\vdash$   | ├              | ├  | <u> </u>     | <del> </del>                                     | $\vdash$ | $\vdash$   |                | 1 |          | 98       | ├            | <del> </del> | <del> </del> | t |
|          | 49       |  |  | H              | $\vdash$   | -            | <del>                                     </del> | -        | $\vdash$   | -              |   |          | 99       |              | $\vdash$     |              | + |
|          | 50       | <u> </u>   | $\vdash$   | <del> </del>   | 1  | $\vdash$     | 1  | $\vdash$ | $\vdash$   |                | 1 |          | 100      |              | $\vdash$     | ┢            | t |
|          | , 50     |  | -  |                |  | L            | Ь.   | Щ        | L  | L              | ] | <u> </u> | ,,,,,    |              |              |              | _ |

| _     |  | _                                     | _            | _        | _            | _  | _        |          |              |              |
|-------|--|---------------------------------------|--------------|----------|--------------|--|----------|----------|--------------|--------------|
| Final | Original                               | 9/23/04                               |              |          |              |  |          |          |              |              |
|       | 51                                     |                                       |              |          | _            | _  | -        | -        |              |              |
|       | 52                                     |                                       |              |          |              |  | $\vdash$ |          |              |              |
|       | 51<br>52<br>53<br>54<br>55<br>56       |                                       |              |          |              |  |          |          |              |              |
|       | 54                                     |                                       |              |          |              | <u> </u>   |          |          |              |              |
|       | 55                                     |                                       |              |          | Н            | $\vdash$   |          | -        |              |              |
|       | 50                                     |                                       | _            |          | _            |  | -        |          |              |              |
| -     | 57                                     |                                       |              |          |              | ļ  |          |          |              | ⊢            |
|       | 57                                     |                                       |              |          |              |  | <u> </u> |          |              | _            |
|       | 58<br>59                               |                                       |              |          |              | ┝  | <u> </u> |          |              | -            |
|       | 59                                     |                                       |              |          |              |  | -        |          |              | -            |
|       | 60                                     |                                       |              |          |              |  | _        |          |              |              |
|       | 61<br>62<br>63                         |                                       | <u> </u>     | _        |              | ļ  | ļ        | _        |              |              |
|       | 62                                     |                                       |              |          |              |  | _        |          |              |              |
|       | 63                                     |                                       |              |          |              | $ldsymbol{ld}}}}}}$ |          |          |              | L.           |
|       | 64<br>65                               |                                       |              |          |              |  |          |          |              |              |
|       | 65                                     |                                       |              |          |              |  |          |          |              |              |
|       | 66<br>67                               |                                       |              |          |              |  |          |          |              |              |
|       | 67                                     |                                       |              |          |              |  |          |          |              |              |
|       | 68                                     | √                                     |              |          |              |  |          |          |              |              |
|       | 68<br>69<br>70<br>71<br>72<br>73<br>74 | √<br>√                                |              |          |              |  |          |          |              |              |
|       | 70                                     |                                       |              |          |              |  |          |          |              |              |
|       | 71                                     |                                       |              |          |              |  |          |          |              |              |
|       | 72                                     | Ť                                     |              | _        |              |  |          |          |              |              |
|       | 73                                     |                                       |              | _        |              |  |          |          |              |              |
| -     | 74                                     |                                       |              |          |              |  |          |          |              |              |
|       | 75                                     | ٦,                                    |              | $\vdash$ | <del> </del> |  |          |          | <del> </del> | <del> </del> |
|       | 75<br>76<br>77<br>78<br>79             | \<br>\<br>\<br>\<br>\                 | -            | $\vdash$ |              |  |          |          |              |              |
|       | 77                                     | ./                                    | $\vdash$     | $\vdash$ |              |  |          |          |              | -            |
|       | 78                                     | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | <del> </del> |          |              |  | ┢        | ┝        | $\vdash$     | ┢            |
|       | 70                                     | \ \frac{\forall}{I}                   | <b> </b>     |          | -            | -  | -        | -        | ├            | $\vdash$     |
|       | 90                                     | -⊻-                                   |              | -        | <u> </u>     |  | -        | $\vdash$ | ├─           | ├            |
|       | 80<br>81                               | ┝                                     |              | -        | -            |  |          | _        | $\vdash$     | ⊢            |
|       | 01                                     |                                       | ļ            | ļ        | <u> </u>     |  | -        | _        | ├—           | ┝            |
|       | 82                                     | <u> </u>                              | <u> </u>     |          | <u> </u>     |  | <u> </u> | -        | <del> </del> | <u> </u>     |
|       | 83                                     | _                                     |              |          |              |  | $\vdash$ | <u> </u> | _            | <u> </u>     |
|       | 84<br>85                               | _                                     | _            |          | <u> </u>     | _  | ⊢        | <u> </u> | ļ            |              |
|       | 85                                     |                                       | <u> </u>     |          |              |  | <u> </u> |          | _            | <u> </u>     |
|       | 86<br>87                               | _                                     | _            |          |              | _  | _        |          | _            | <u> </u>     |
|       | 87                                     | ļ                                     |              |          |              | <u> </u>   | _        |          | _            |              |
|       | 88                                     |                                       |              |          |              | <u> </u>   | ļ        | L        | <u> </u>     |              |
|       | 89                                     |                                       |              |          |              |  |          |          | _            | 匚            |
|       | 90                                     |                                       | <u> </u>     |          |              | <u>_</u>   |          |          |              | <u> </u>     |
|       | 91                                     |                                       |              |          |              |  |          |          |              |              |
|       | 92                                     |                                       | <u> </u>     |          |              |  |          |          |              | L_           |
|       | 93                                     |                                       |              |          |              |  |          |          |              |              |
|       | 94                                     |                                       | L            |          | <u> </u>     | L  |          |          |              | L            |
|       | 95                                     | L                                     | L            | L        | L            |  | L        | L        | L            | L            |
|       | 96                                     | Ĺ                                     | L            |          |              | L  |          | L        | Ĺ            |              |
|       | 97                                     |                                       |              |          |              |  |          |          |              |              |
|       | 98                                     |                                       |              | Γ-       |              |  |          |          |              |              |
|       | 99                                     |                                       |              | -        |              |  |          |          |              |              |
|       | 100                                    |                                       |              |          |              |  |          |          | _            |              |
|       |  |                                       |              |          |              |  |          |          |              |              |

| Cla          | Date  |  |  |              |  |               |              |  |  |                        |
|--------------|---|--|--|--------------|--|---------------|--------------|--|--|------------------------|
|              |   |  |  |              |  |               |              |  |  |                        |
| Final        | Original                                      |  |  |              |  |               |              |  |  |                        |
| 拒            | rig   |  |  |              |  |               |              |  |  |                        |
|              |   |  |  |              |  |               |              |  |  |                        |
|              | 101<br>102<br>103                             |  |  |              |  |               |              |  |  |                        |
|              | 102   |  |  |              |  |               |              |  |  |                        |
|              | 103   |  |  |              |  |               |              |  |  |                        |
|              | 104<br>105<br>106                             | -  |  |              |  |               |              |  |  |                        |
| *********    | 105   |  |  |              |  |               |              |  |  |                        |
|              | 106   |  |  |              |  |               |              |  |  |                        |
|              | 107<br>108                                    |  |  |              |  |               |              |  |  |                        |
|              | 108   |  | l''''  |              |  |               |              |  |  |                        |
|              | 109   |  |  |              |  |               |              |  |  |                        |
|              | 110   |  | Г  |              |  |               |              |  |  |                        |
|              | 111   |  |  |              |  |               |              |  |  |                        |
|              | 112   |  |  |              |  |               |              |  |  |                        |
|              | 111<br>112<br>113<br>114<br>115<br>116<br>117 |  |  |              |  |               | L            |  |  |                        |
|              | 114   |  |  |              |  |               |              |  |  |                        |
|              | 115   |  |  |              |  |               |              |  |  |                        |
|              | 116   |  |  |              |  |               |              | L  |  |                        |
|              | 117   |  |  |              |  |               |              |  |  |                        |
|              | 118   |  |  |              |  |               |              |  |  | П                      |
|              | 119   |  |  |              |  |               |              |  |  | П                      |
|              | 118<br>119<br>120                             |  |  |              |  |               |              |  |  | П                      |
|              | 121   |  |  |              |  |               |              |  |  | П                      |
|              | 122   |  |  | П            |  |               |              |  |  | П                      |
|              | 123   |  |  |              |  |               |              |  |  | П                      |
|              | 121<br>122<br>123<br>124<br>125               | _  |  |              |  |               |              |  |  | П                      |
|              | 125   |  |  |              |  |               |              |  |  |                        |
|              | 126<br>127                                    |  |  |              |  |               |              |  |  | П                      |
|              | 127   |  |  |              |  |               |              |  |  | П                      |
|              | 128   |  |  | _            |  |               |              |  |  |                        |
|              | 129   |  |  |              |  |               |              | -  |  | П                      |
|              | 129<br>130                                    |  |  |              |  |               |              |  |  | П                      |
|              | 131   |  |  |              |  |               |              | Г  |  |                        |
|              | 132   |  |  |              |  | Г             |              |  |  | П                      |
|              | 133   |  |  |              |  |               |              |  |  |                        |
|              | 132<br>133<br>134                             | $\vdash$   |  |              |  |               |              |  |  |                        |
|              | 135   |  |  |              |  | _             |              |  |  |                        |
|              | 136   |  |  |              |  |               | Г            |  | $\Box$   | П                      |
| <del>—</del> | 137   | Г  |  | <u> </u>     |  |               |              | Π  | Г  | П                      |
|              | 138   |  |  | Г            |  | $\vdash$      |              | Г  | _  | П                      |
|              | 139   | <del>                                     </del> | T  |              |  | Г             | i            | T  | Ι  | П                      |
|              | 140   |  |  | T            | $\Box$   |               |              | Π  |  | П                      |
| <u> </u>     | 141   | $\vdash$   | $\vdash$   | <del> </del> | <u> </u>   |               |              |  | T  |                        |
| $\vdash$     | 142   | $\vdash$   | _  |              | H  |               |              | $\vdash$   |  | Н                      |
| <del></del>  | 143   |  | $\vdash$   | Ι-           | $\vdash$   | $\vdash$      | <u> </u>     |  |  | Н                      |
| -            | 144   | <del> </del>                                     | <del>                                     </del> | -            | Н  | $\vdash$      | <del> </del> |  |  | Н                      |
|              | 145   | <del> </del>                                     | $\vdash$   | -            | <del>                                     </del> | <del></del> - | $\vdash$     | <del>                                     </del> | <del>                                     </del> | $\vdash$               |
| <del></del>  | 146   |  | -  | -            | -  |               | $\vdash$     | <del>                                     </del> |  | $\vdash$               |
|              | 147   |  | <del> </del>                                     |              | $\vdash$   | <u> </u>      |              | $\vdash$   |  | $\vdash \vdash \vdash$ |
|              | 148   |  | -  |              | $\vdash$   | -             |              |  | П  | H                      |
|              | 149   |  | ┝  | $\vdash$     | -  |               |              | $\vdash$   |  | $\vdash$               |
|              | 150   | -  | $\vdash$   | $\vdash$     |  | -             | $\vdash$     | ╌  |  | $\vdash$               |
|              | 100   | Ц  | L  |              |  | └             | Щ.           | └—   |  | ш                      |